

26207

S/106/60/000/002/008/009

A055/A133

Rendering discrete the signals with unlimited spectrum

and nonlinear distortions in the channel, and that the magnitude of these distortions is determined by the nature of the signal itself. This conclusion cannot be drawn if the signal spectrum is limited according to the Kotel'nikov' theorem. For a quantitative estimate of the above distortions, it is convenient to introduce the following magnitudes:

$$E_1 = \int_0^{\infty} |s_1(\omega)|^2 d\omega \quad \text{and} \quad \Delta E = \int_{\omega_1}^{\infty} |s_1(\omega)|^2 d\omega$$

characterizing the energy amount of the whole signal and of its hf-part respectively. If the Kotel'nikov's theorem conditions are satisfied, the signal distortions will be due only to the truncated hf-part of the spectrum and they can be characterized by ratio $\Delta E/E_1$ (Figure 1 b). If the output filter is absent, the distortion energy will increase by ΔE owing to the appearance of additional spectral components (Figure 1 c) and the distortions will be characterized by ratio $2\Delta E/E_1$. The absence of the input filter (in the presence of an ideal output filter) will thus double the error. There are 1 figure and 2 Soviet-bloc references.

SUBMITTED: September 8, 1959.

Card 3/4

6.6000

S/142/61/004/006/008/017
E140/E435

AUTHOR: Ignat'yev, N.K.

TITLE: Optimal quantification of a two-dimensional message

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiotekhnika.
v.4, no.6, 1961, 684-691

TEXT: This is a continuation of the author's previous study (Ref.1: NDVSh - Radiotekhnika i elektronika, no.1, 1958, 63), which gave generalization of Kotel'nikov's theorem to the quantification of messages with an arbitrary number of dimensions. In the present paper the author shows that a formal extension of the theorem to two-dimensional messages (principally graphical information, e.g. television pictures, pattern recognition devices, etc) requires the quantification points to be located on an orthogonal grid with ideal lowpass filters to limit the space spectrum to a rectangular area about each point of quantification but that this is neither a unique nor optimal quantification method. The analysis proceeds by use of the two-dimensional Fourier transform. The existence of space harmonics outside the quantification area leads to such phenomena

Card 1/3

✓
B

Optimal quantification ...

S/142/61/004/006/008/017
E140/E435

as the moire effect in raster reproductions of images. It can be shown that the most efficient space harmonic filter would be one cutting off on the locus of points equidistant from the quantification point, i.e. passing the signals in a circular area with the point of quantification at the centre. In a real system it is more efficient to place the quantification points at the centres of symmetry of regular hexagons (Fig.6) (a procedure called "triangular quantification" by the author) than on the orthogonal grid. The author points out that this result has been anticipated empirically in such applications as three-colour video tubes, cinema screen design and the like. There are 6 figures.

ASSOCIATION: Kafedra teoreticheskoy radiotekhniki
Moskovskogo elektrotekhnicheskogo instituta svyazi
(Department of Theoretical Radioengineering of
Moscow Electroengineering Institute of Communications)

SUBMITTED: April 15, 1959 (to NDVSh)
February 4, 1960 (to the present journal)

Card 2/3

S/142/61/004/006/009/017
E140/E435

616000

AUTHORS:

Blokh, E.L., Ignat'yev, N.K.

TITLE:

The optimal quantification of multidimensional messages

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiotekhnika.
v.4, no.6, 1961, 692-699

TEXT: The paper concerns a further generalization of Kotel'nikov's theorem to the case where the band limiting filters have arbitrary space distributions. The problem is to define the characteristics of the filter and of the scanning procedure to obtain optimal use of the available bandwidth and to require the minimum number of transmitted quantized values of the initial continuous message. Using the multidimensional Fourier transform as the basis, general formulae of a theoretical nature are obtained. It is admitted that the scanning pattern can employ interlace, as in standard television transmissions. Certain of the results obtained here are also found in the paper of Hiroshi Miyakawa (Ref.4: J. Inst. Elect. Commun. Engrs. Japan, no.4, 1959, 421). There are 3 figures.

Card 1/2

✓
B

The optimal quantification ...

S/142/61/004/006/009/017
E140/E435

ASSOCIATION: Kafedra teoreticheskoy radiotekhniki
Moskovskogo elektrotekhnicheskogo instituta svyazi
(Department of Theoretical Radioengineering of
Moscow Electroengineering Institute of Communications)

SUBMITTED: October 19, 1959 (to NDVSh)
February 4, 1960 (to the present journal)

Card 2/2

6.9300 (also 103,1132)

21427
S/109/61/006/001/004/023
E140/E163

AUTHOR: Ignat'yev, N.K.

TITLE: The energy spectrum of a signal obtained by scanning

PERIODICAL: Radiotekhnika i elektronika, Vol.6, No.1, 1961,
pp. 25-30

TEXT: The article constitutes a straightforward analysis of the transformation of two-dimensional and three-dimensional distributions into one-dimensional distributions by means of scanning. It is found that the more highly correlated the distribution of the original two- or three-dimensional signal, the closer the scanned output approaches a periodic structure. There are 2 Soviet references.

SUBMITTED: December 26, 1959

Card 1/1

IGNAT'YEV, N.K.

A practicable method for finding dense packings of n -dimensional
spheres. *Sib. mat. zhur.* 5 no.4:815-819 JL-3g'64 (MIRA 17:8)

KHARCHENKO, V.M., gornyy inzh.; IGNAT'YEV, N.N., gornyy inzh.

Rock excavation ratio. Gor. zhur. no. 11:34-36 N '60.
(MIRA 13:10)

1. Nauchno-issledovatel'skiy gornorazvedochnyy tsentr
Gosplana RSFSR, Moskva.
(Strip mining) (Excavating machinery)

ALEKSANDROV, N.N., gornyy inzh.; AZARKOVICH, A.Ye., gornyy inzh.;
IGNAT'YEV, N.N., gornyy inzh.

Using continuous equipment in rock blasting. Gor. zhur. no.9:
30-32 S '63. (MIRA 16:10)

1. Tsentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy institut
tsvetnykh, redkikh i blagorodnykh metallov, Moskva.

DUNAYEV, I.V., kapitan 2-go ranga v otstavke; IGNAT'YEV, N.N., inzhener-
kapitan 3-go ranga

Water-emptying equipment. Mor. sbor. 48 no.6:92 Je '65.

(MIRA 18:6)

Mr., P.A., Rear-Admiral (Retired) I. A. Aliev, M.S.

Battle History of the Soviet Navy. 1914-1918. 1919-1921.
J1 164.

IGNAT'YEV, N. V.

BRUSHTEYN, B.Ye., kandidat tekhnicheskikh nauk, dotsent; DEMENT'YEV, V.I.,
kandidat tekhnicheskikh nauk, dotsent; IGNAT'YEV, N.V., kandidat
tekhnicheskikh nauk, dotsent; AVRUTIN, S.Y., dotsent, redaktor;
RZHAVINSKIY, V.V., inzhener, redaktor; RAKOV, S.I., redaktor.

[Lathework] Tokarnoe delo. Izd.3., perer. i dop. Moskva. Trudreserv-
izdat, 1953. 446 p. (MLRA 7:7)
(Turning)

IGNAT'YEV, N.V., kandidat tekhnicheskikh nauk, dotsent.

Simplified spindle drive design. Issl. v obl. metallorazh.
stan. no.3:74-81 '55. (MLRA 10:2)

(Spindles (Machine tools))

FEDOTENOK, A.A., kandidat tekhnicheskikh nauk, dotsent; ~~IGNAT'YEV, M.V.~~,
kandidat tekhnicheskikh nauk, dotsent; SUVOROV, A.I., kandidat
tekhnicheskikh nauk, dotsent.

New method of grinding internal-toothed cylindrical wheels.
Issl. v obl. metalloresh.stan. no.3:179-186 '55. (MLRA 10:2)

(Gear cutting)

ANAN'IN, Sergey Grigor'yevich, professor; ACHERKAN, Naum Samoylovich, professor, doktro tekhnicheskikh nauk; BOGUSLAVSKIY, Boris L'vovich, professor; YERMAKOV, Vladimir Viktorovich, dotsent; IGNAT'YEV, Nikolay Vasil'yevich, dotsent; KUDRYASHOV, Aleksandr Alekseyevich, dotsent; PUSH, Valentin Ervinovich, dotsent; FEDOTENOK, Aleksey Antonovich, dotsent; KHRYKOV, Aleksandr Nikolayevich, dotsent; ROSTOVTSSEV, I.A., inzhener, retsenzent; SOKOLOVA, T.P., tekhnicheskiy redakto

[Machine tools] Metallorazhushchhie stanki. Pod red. N.S.Acherkana. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957.
1015 p. (MLRA 10:6)

(Machine tools)

IGNAT'YEV, N.V.

ACHERKAN, N.S.; YERMAKOV, V.V.; IGNAT'YEV, N.V.; KAUFMAN, L.M.; PUSH, V.E.;
FEDOTENOK, A.A.; KHARIZOMENOV, I.V.; KHRYKOZ, A.N.; VLASKIN, F.S.;
kandidat tekhnicheskikh nauk, dotsent; GANDLER, A.V.; kandidat
tekhnicheskikh nauk, dotsent; ALEKSEYEV, P.G., kandidat tekhnicheskikh nauk.

"Machine tools" by V.A.Bravichev and others. Reviewed by N.S.
Acherkan and others. Vest.mash. 37 no.5:87-91 My '57. (MLRA 10:5)

1.Kafedra "Metallorazhushchiye stanki" Moskovskogo stankoinstrumental'nogo instituta (Acherkan, Yermakov, Ignat'yev, Kaufman, Push, Fedotenok, Kharizomenov, Khrykoz)
(Machine tools)

VAKHTEL', V.Yu.; IGNAT'YEV, N.V.

Conditions causing the breaking of clutch bearings. Trakt.1
sel'khozmas. no.10:9-11 0 '59. (MIRA 13:2)
(Bearings(Machinery))

IGNAT'YEV, N.V., kand.tekhn.nauk, dotsent

Combined structure of a spindle drive. Issl.v obl.metallorozn.
stan. no.4:3-16 '61. (MIRA 14:12)

(Spindles (Machine tools))
(Gearing)

IGNAT'YEV, N.V., kand.tekhn.nauk, dotsent

Overlapping of speed stages. Issl.v obl.metallorrezh.stan.
no.4:17-36 '61. (Gearing) (MIRA 14:12)

ZONNENBERG, Semen Moiseyevich; IGNAT'YEV, N.V., kand. tekhn. nauk,
retsensent; BEYZEL'MAN, R.D., inzh., red.; GORDEYEVA, L.P.,
tekhn. red.; DEMKINA, N.F., tekhn. red.

[Small multipurpose machine tools] Malye agregatnye stanki.
Moskva, Mashgiz, 1962. 291 p. (MIRA 15:10)
(Machine tools)

VORONOV, A.L., kand. tekhn. nauk; GREBENKIN, I.A., inzh.; IGNAT'YEV,
N.V., kand. tekhn. nauk, retsenzent

[Gearboxes of machine tools; kinematic calculation of gear-
boxes with combined structure and multi connected gear wheels]
Korobki peredach metallorezhushchikh stankov; kinematicheskii
raschet korobok peredach so slozhennoi strukturoi i svyazan-
nymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie,"
1964. 132 p. (MIRA 17:6)

ACHERKAN, Naum Samoylovich, zasl. deyatel' nauki i tekhniki RSFSR,
doktor tekhn. nauk, prof.; GAVRYUSHIN, A.A.; YERMAKOV, V.V.;
IGNAT'YEV, N.V.; KAKOYLO, A.A.; KUDINOV, V.A.; KUDRYASHOV,
A.A.; LISITSYN, N.M.; MIKHEYEV, Yu.Ye.; PUSHKIN, A.A.; TROFIMOV,
O.N.; FEDOTENOK, A.A.; KHOMYAKOV, V.S.; ABANKIN, V.I., inzh.,
retsenzent

[Metal-cutting machines in two volumes] Metallocrezhushchie
stanki. [v dvukh tomakh]. Pod red. N.S.Acherkana. Moskva,
Mashinostroenie. Vol.2. 2. perer. izd. 1965. 628 p.
(MIRA 18:12)

ACHERKAN, N.S., doktor tekhn. nauk, prof., zasl. deyatel' nauki
i tekhniki RSFSR; GAVRYUSHIN, A.A., kand. tekhn. nauk;
YERMAKOV, V.V., kand. tekhn. nauk, dots.; IGNAT'YEV, N.V.,
kand. tekhn. nauk, dots.; KAKOYLO, A.A., inzh.; KUDINOV,
V.A., kand. tekhn. nauk; KUDRYASHOV, A.A., kand. tekhn.nauk,
dots.; LISITSYN, N.M., kand. tekhn. nauk, dots.; MIKHEYEV,
Yu.Ye., dots.; PUSH, V.E., doktor tekhn. nauk, prof.;
TRIFONOV, O.N., kand. tekhn. nauk, dots.; FEDOTENOK, A.A.,
doktor tekhn. nauk, prof.; KHOMYAKOV, V.S., kand. tekhn.
nauk; ABANKIN, V.I., inzh., retsenzent

[Metal cutting machines] Metallezhushchie stanki. Moskva,
Mashinostroenie. Vol.1. 1965. 764 p. (MIRA 18:10)

IGNAT'YEV, O.I., inzh.

Pneumatic machine for covering mattresses with fabrics. Der.
prom. 13 no.8:21-23 Ag '64.

(MIRA 17:11)

1. Tiraspol'skaya mebel'naya fabrika No.4.

IGNAT'YEV, Oleg Konstantinovich; ANTIPIINA, L., red.; LESHCHINSKAYA, G.,
tekh. red.

[Brazil, the giant of the tropics; notes of a correspondent]
Braziliia - gigant tropicheskii; zapiski korrespondenta. Mo-
skva, Molodaia gvardiia, 1963. 158 p. (MIRA 17:2)

IGNAT'YEV, Oleg Konstantinovich, zhurnalist; ANTIPINA, L., red.

[The Amazon as seen by a Moscovite] Amazonka glazami moskvicha. Moskva, Molodaia gvardiia, 1965. 252 p.
(MIRA 18:7)

L 36113-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

SOURCE CODE: UR/0126/66/021/005/0700/0793

ACC NR: AP6017304

AUTHORS: Palatnik, L. S.; Ignat'yev, O. M.; Ignat'yeva, L. K.

ORG: Kharkov Polytechnic Institute im. V. I. Lenin (Khar'kovskiy politekhnicheskii institut); Institute of Chemistry and Technology of Rare Elements, Kol'sk Branch AN SSSR (Institut khimii i tekhnologii redkikh elementov Kol'skogo filiala AN SSSR)

TITLE: Method of curvilinear supports for the preparation of complete alloy systems of variable composition after the method of S. A. Vekshinskiy

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 5, 1966, 700-703

TOPIC TAGS: alloy, alloy composition, alloy phase diagram, alloy system, metal vapor deposition

ABSTRACT: A method for the simultaneous preparation of two- and three-component alloy systems covering the complete concentration range of all components is presented. The new method is an extension of the one proposed by S. A. Vekshinskiy (Novyy metod metallograficheskogo issledovaniya splavov, M., Gostekhizdat, 1964). The method consists of a simultaneous vacuum evaporation of all the alloy components onto a spherical or cylindrical surface (see Fig. 1). The density of condensate at a given point (see Fig. 1) is given by the expression

$$q = \frac{Q[(b+1)\cos\alpha - b]}{4\pi R^2[2b(b+1)(1-\cos\alpha) + a^2 + 1]^{1/2}}$$

UDC: 539.216.2

Card 1/2

L 36113-66

ACC NR: A-6017304

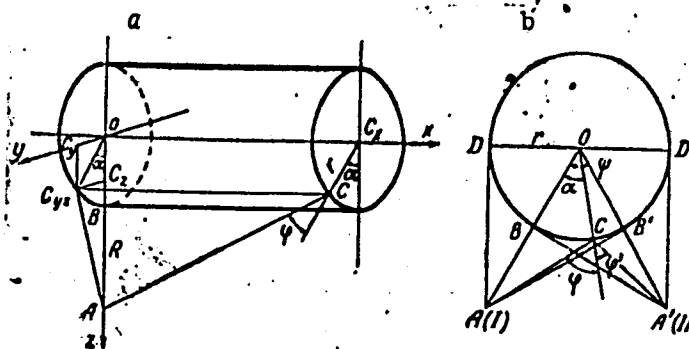


Fig. 1. a - condensation onto the outer surface of a cylinder from a point source evaporator; b - production of a binary condensate on a cylindrical or spherical condenser; A and A' - evaporated components; BB' - region of condensation of the binary alloy of variable composition; BD - region of condensation of pure component A; B'D' - region of condensation of pure component A'.

where Q is the mass of the evaporated substance, R is the distance between the evaporator and the epicenter, $b = r/R$ is a geometrical factor, $a = C_x/R$ is the linear coordinate of point C , α is the angular coordinate of point C . This relationship was tested experimentally on antimony specimens, and good agreement between the calculated and experimental values for q was obtained. A photograph of the experimental apparatus is presented. Orig. art. has: 5 figures and 2 equations.

SUB CODE: 11/

SUBM DATE: 12Jun65/

ORIG REF: 014

LS

Card 2/2

IGNAT'YEV, O.M.; ANDREYEV, I.I.

Using radioactive iridium-192 for flaw detection in welded pipe
seams. Zav. lab. 23 no.4:439-442 '57. (MLBA 10:6)

1. Khartsynskiy trubnyy zavod.
(Iridium--Isotopes) (Welding--Testing)
(Nondestructive testing)

32-8-40/61

AUTHOR Ignatyev, O.M.

TITLE Calculation of the intermediate rings for the camera "FED".
(Raschet perskhodnykh kolets dlya fotoapparata "FED").

PERIODICAL Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 8, pp. 980-980 (USSR).

ABSTRACT In order to obtain photographs of a larger scale, this paper recommends to prepare special intermediate rings which are inserted between the photocamera and the objective in the already used soviet cameras of type "FED". Thus the distance between the objective and the film in the photocamera is increased. The following calculation of the dimensions of the intermediate ring is given. The height of the ring h depends on the assumed scale of the photograph which corresponds to the equation:

$$\frac{1}{F} = \frac{1}{f} + \frac{1}{F}$$
The distance f consists of the focus distance of the objective F , the height of the intermediate ring and the displacement value of the objective which is provided in the apparatus (free space for focusing) δ , therefore $f = F + h + \delta$. The values for δ are given in a table. The scale of the photograph is obtained from the equation:

$$h + \delta = mF$$
For the camera FED the value δ lies within the limits 0-2,613. In this connection a certain scale of the photograph will correspond to a certain height of the intermediate ring. The allowable variation for the value of the distance between object and film (ΔH), which guarantees the necessary clearness of the photograph, corresponds to the

Card 1/2

32-8-40/61

Calculation of the intermediate rings for the camera "FED".

formula $\Delta H = \pm 0,016 D \cdot \frac{f^2 - 2fF}{(f - F)}$, where D is the size of the diaphragm. (1 table and 1 illustration).

ASSOCIATION: Khartsyzskiy trubnyy zavod (Khartsyzsk Pipe Works)
AVAILABLE Library of Congress.

Card 2/2

IGNAT'YEV, O.M.; ANDREYEV, I.I.

Performance of typical 10-ton cupolas equipped with sectional
steel chills. Lit.proizv. no.7:21-22 JI '61. (MIRA 14:7)
(Cupola furnaces)

IGNAT'YEV, O.M.

Manipulator M-2. Atom.energ. 10 no.4:421-422 Ap '61.
(MIRA 14:4)
(Remote control)

GERCHIKOV, D.S., kand.tekhn.nauk; IGNAT'YEV, O.M.; ILYK, M.V.

Using inclined gamma-ray beam in determining the interface
between liquid metal and slag. Avtom. i prib. no. 1:61-62
Ja-Mr '64. (MIRA 17:5)

L 16790-66 EWP(e)/EWT(m) WH

ACC NR: AP6002541

(A)

SOURCE CODE: UR/0286/65/000/023/0041/0042

AUTHORS: Rogozhin, Yu. V.; Syritskaya, Z. M.; Ushanova, A. V.; Mazurov, M. K.;
Zadorozhnyy, V. K.; Ignat'yev, O. S.; Goroshchenko, Ya. G.

ORG: none

TITLE: A method for preparing titanium-containing enamels and glassy crystalline materials. Class 32, No. 176663

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 41-42

TOPIC TAGS: titanium, enamel, sphene, perovskite, crystalline matter, specialized coating, ceramic coating

ABSTRACT: This Author Certificate presents a method for preparing titanium-containing enamels and glassy crystalline materials. To broaden the base of raw materials and to improve the physico-chemical properties of enamels and glassy crystalline material, the minerals sphene and perovskite are introduced into the original charge.

SUB CODE: 07, 13/

SUBM DATE: 09Aug62

Card 1/1

71/85

UDC: 666.293.5

2

SOV/137-58-9-18787

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 91 (USSR)

AUTHORS: Ignat'yev, O.S., Plaksin, I.N.

TITLE: Certain Peculiarities in the Behavior of Selenium and Tellurium in the Processes of Mineralization and Metallurgical Treatment of Ores (Nekotoryye osobennosti povedeniya selena i tellura v protsessakh mineralizatsii i metallurgicheskoy pererabotki rud)

PERIODICAL: Izv. vys. uchebn. zavedeniy. Tsvetn. metallurgiya, 1958, Nr 1, pp 90-95

ABSTRACT: A method of identifying Se and Te in the products of treatment of sulfide Cu and Cu-Ni ores, and the relationship thereof with the noble metals by thermodynamic analysis and laboratory investigations of the reactions of formation of Ag and Pd selenides from various sulfides and selenides, with phase analysis of the reaction products, is investigated. Note is taken of the special characteristic of Se and Te, consisting of the fact that they accompany noble metals in the processes of formation and metallurgical treatment of sulfide Cu, Cu-Zn and Cu-Ni ores. Ag and Pd are capable of displacing Cu from Cu selenide,

Card 1/2

Moscow Inst. Non Ferrous Metals & Alloys

SOV/137-58-9-18787

Certain Peculiarities in the Behavior of Selenium and Tellurium (cont.)

and an increase in temperature significantly shifts the equilibrium of these reactions toward the formation of selenides of the noble metals.

B.L.

1. Ores--Processing
2. Ores--Analysis
3. Selenium--Determination
4. Tellurium--Determination

Card 2/2

AUTHORS: Golovkin, N. N., Ignat'yev, O. S. SOV/30-58-9-37/51

TITLE: Development of Researches on Highly Molecular Compounds
(Razvitiye issledovaniy po vysokomolekularnym soyedineniyam)
In the Presidium of the Council for Co-Ordination of
Scientific Work of the Academies of Sciences of the Union
Republics and the Branches (V Prezidiume Soveta po koordi-
natsii nauchnoy deyatel'nosti akademiy nauk soyuznykh respublik
i filialov)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 9, pp. 101 - 104 (USSR)

ABSTRACT: The session of the presidium of the council took place on
June 21st. A.V.Topchiyev, Vice-President of the AS USSR,
stressed the importance of these researches in order to
fulfil the resolutions of the plenary session of the TsK
KPSS in May. He mentioned that the scope of researches at
present carried out is insufficient. In order to prepare
a prospective plan for the years 1959 - 1965 a special
committee was set up. 42 main trends for researches on the
subject of highly molecular compounds were fixed. The chair-
man of the scientific council V.A.Kargin, Member, Academy of

Card 1/5

Development of Researches on Highly Molecular Compounds. SOV/30-58-9-37/51
In the Presidium of the Council for Co-Ordination of Scientific Work
of the Academies of Sciences of the Union Republics and the Branches

Sciences, USSR, reported about the activities of the council. Further addresses were given by:

M.F.Nagiyev, Vice-President of the AS Azerbaydzhan SSR, on the urgency to intensify researches on the field of technological phenomena.

S.D.Mekhtiyev, Head of the Petroleum-Institute of the AS Azerbaydzhan SSR, on the efforts in the field of petroleum chemistry.

V.I.Nikitin, Head of the Institute of Chemistry of the AS Tadzhikskaya SSR, requested assistance in training scientific caders.

A.Ye.Arbuzov, Chairman of the Kazan' Branch of the AS USSR, mentioned the problem of proper assignment of scientific staff.

Kh.U.Usmanov, Head of the Institut khimii rastitel'nykh veshchestv Akademii nauk Uzbekskoy SSR(Institute of Chemistry of Vegetable Materials of the AS Usbekskaya SSR), outlined the tasks of Uzbekistan scientists in connection

Card 2/5

Development of Researches on Highly Molecular Compounds. SOV/30-58-9-37/51
In the Presidium of the Council for Co-Ordination of Scientific Work
of the Academies of Sciences of the Union Republics and the Branches

with the rich supply of cellulose and natural gases.

R.D.Obolentsev, Chairman of the Bashkirskiy filial Akademii nauk SSSR (Bashkiriya Branch of the AS USSR), spoke about the urgency to intensify researches on the sulphurous petroleum deposits of Bashkiriya.

N.F.Yermolenko, Member, Academy of Sciences, Belorusskaya SSR, stressed the problems of development of the chemical industry of his country in connection with her deposits of turf and petroleum.

Yu.Yu.Matulis, President of the AS Litovskaya SSR, remarked that Lithuania (Litva) is rich in vegetable raw materials, thus has to intensify her research on this field.

S.A.Giller, Corresponding Member, AS Latviyskaya SSR, informed the assembly of the intention of Latvia (Latviya) scientists to carry out research on the use of natural polymers.

A.T.Kyll, Head of the Institute of Chemistry of the Academy of Sciences, Estonskaya SSR, mentioned problems in connection

Card 3/5

Development of Researches on Highly Molecular Compounds. SOV/30-58-9-37/51
In the Presidium of the Council for Co-Ordination of Scientific Work
of the Academies of Sciences of the Union Republics and the Branches

with the use of the slates of Estonia (Estoniya).
G.M.Shchegolev, Head of the Institute of Heat Energetics of
the Academy of Sciences, Ukrainian SSR, recommended to lay
more stress upon the use of coal and other solid fuels
for the production of polymeric material.

Card 4/5

SOV/30-58-9-37/51

Development of Research on Highly Molecular Compounds

In the Presidium of the Council for Co-ordination of Scientific Work of the Academies of Sciences of the Union Republics and the Branches

I.P. Bardin, Member, Academy of Sciences, USSR, Vice-President of the AS USSR, pointed out the importance of coal and wood as raw materials for the production of polymeric material. At last the chairman of the Council, A. N. Nesmeyanov, Member, Academy of Sciences, USSR, addressed the assembly and said that the whole scientific staff has to be employed for the development of chemistry. But it is necessary to recruit new scientists for the staff in order to avoid a removal of scientists from tasks likewise important. A resolution was passed to ask the Presidium of the AS USSR for its assistance in training adequate scientific personnel.

Card 5/5

GOHYACHEV, A.A. ; IGNAT'YEV, O.S. ; ROGACHEV, D.I.

Synthesis of chkalovite. Dokl. AN SSSR 146 no.5:1179-1181 0 '62.
(MIRA 15:10)

1. Institut khimii i tekhnologii redkikh elementov i mineral'nogo
syr'ya Kol'skogo filiala im. S.M.Kirova AN SSSR.
(Chkalovite)

IGNAT'YEV, P.

Repairing fuel pumps, Avt. transp. 36 no.2:29 F '58. (MIRA 11:2)
(Automobiles--Fuel systems--Maintenance and repair)

GRIGOR'YEV, N.

1. GRIGOR'YEV, N.; IGNAT'EV, P.

2. USSR (600)

4. Wheat Trade

7. State of the wheat market in capitalist countries. Vnesh. torg. 23, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

IGNAT'YEV, P.

Cotton exports of the United States. [with summary in English, p.31-32]
Vnesh.torg. 26 no.7:14-18 J1 '56. (MIRA 9:9)
(United States--Cotton trade)

IGNAT'YEV, P.; GOL'D, A.

Expanding credit relations with heavy industry. Den. 1 kred.
14 no.11:23-25 N '56. (MLRA 9:12)

(Credit)

IGNAT'YEV, P. D.

231743

USSR/Engineering - Heat, Boiler
Furnaces, Design Jun 52

"Decrease of Heat Losses Caused by Outgoing Gases," P. D. Ignat'yev, I. I. Ogurtsov, T. I. Ivanova, Engineers of GRES of Mosenergo, N. V. Kuznetsov, Cand Tech Sci, Ye. Ya. T'lova, Eng'r, Boiler Lab, VTI

"Iz V-s Teplootekh Inst" No 6, pp 4-7

Discusses measures developed by joint efforts of VTI collaborators and GRES workers on the basis of so called creative cooperation.

231743

Describes constructional changes in furnaces of vertical water-tube boilers of 30 tons/hr productive capacity. Measures deal mainly with reconstruction of air-preheaters and installation of boiler-utilizers, steam from which is used in deaerators for heating feed water. New design decreases temp of outgoing gases from 215° to 154-170°C.

231743

IGNAT'YEV, P.I., staryy shakhter, chlen Kommunisticheskoy partii
Sovetskogo Soyuza.

Miners' dreams realized. Bezop.truda v prom. 1 no.11:36-37 N
'57. (MIRA 10:10)
(Krivoy Rog--Iron mines and mining)

TIMOFEYEV, Nikolay Ivanovich; IGNAT'YEV, P.I., red.; ANDREYEVA, L.S.,
red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Controlling the income of the merchant marine] Kontrol'
dokhodov morskogo transporta. Moskva, Izd-vo "Morskoi transport,"
1960. 75 p. (MIRA 13:10)
(Shipping--Accounting)

IGNAT'EV, P. P. (Post-graduate student, Buryat Agricultural Institute)

"Changes in proteins of the blood serum of lambs"

Veterinariya, vol. 39, no. 4, April 1962 p. 85

L 21116-65 EEC-4/ENG(v)/EWA(h)/EWT(1)/EEC(t)/FS(v)-3/EEC(m)/FCC/FSF(h)/FSS-2
 Pe-5/Pg-4/Pi-4/Pl-4/Po-4/Pq-4/Pae-2/Peb/Pb-4 AEDC(b)/BSD/AFML/SSD/ASD(a)-5/
 AEDC(a)/AFMD(c)/AFSTR/AFTC(a)/AFTC(b)/APOC(f)/ESD(si) TT/QW/WS
 ACCESSION NR: AP5002106 S/0048/64/028/012/2058/2074

AUTHOR: Vernov, S. N.; Chudakov, A. Ye; Vakulov, P. V.; Gorchakov, Ye. V.; Ignat'yev, P. P.; Kuznetsov, S. N.; Logachov, Yu. I. Lyubimov, G. P.; Nikolayev, A. G.; Okhlopkov, V. P.; Sosnovets, E. N.; Tarnovskaya, M. V.

TITLE: Radiation study by Cosmos 17. [Report presented at the Vsesoyuznoye soveshchaniye po fizike kosmicheskikh luchey (All-Union Conference on the Physics of Cosmic Rays), held at Moscow, 4-10 October 1963]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 28, no. 12, 1964, 2058-2074

TOPIC TAGS: radiation measurement, spaceborne ionization measurement, primary cosmic radiation, scintillation counter, gas discharge counter/STS-5 gas discharge counter, Cosmos-17

ABSTRACT: The article describes equipment used in the flight of Cosmos-17 (apogee, 788 km; perigee, 260 km) for investigating the Earth's radiation belts and primary cosmic radiation. The equipment consisted of two scintillation counters (with NaI and CsI crystals) and

Card 1/53

L 21116-65

ACCESSION NR: AP5002106

a STS-5 gas-discharge counter. The cylindrical NaI counter (20 X 20 mm) was mounted under the shell of the satellite and was fitted with aluminum shielding (1 g/cm²). On one channel it recorded ionization produced in the crystal by radiation; on the two others, it registered the number of pulses with energy release in the crystal over the specified thresholds (50 kev and Mav). The effective cross section of the NaI crystal for particles registered along the ionization and first threshold channels was approx. 4.7 cm²; for the second channel, it was roughly 5% smaller for particles with quadruple ionization and 20% smaller for relativistic particles.

The STS-5 gas-discharge counter has an effective cross section of 4.3 cm². It was placed inside the device containing the scintillation counter and was not fitted with any special protection. Up to counting rates of 3×10^3 pulse/sec, the counter registered virtually all particles. At higher rates, the count became less reliable.

The flat CsI counter (crystal diameter, 6 mm; thickness, 3 mm) was mounted outside the container. For protection from light, the crystal was covered with aluminum foil (2 mg/cm²). For protection against

Card 2/5

L 21116-65

ACCESSION NR: AP5002106

bremsstrahlung, the photomultiplier and the crystal were shielded with 5 mm of lead and 11 mm of aluminum, except for the front of the photomultiplier, which had a conical opening for particle incidence (aperture angle, 40°). This counter carried out ionization measurements and particle registration at energy release in the crystal of 45 and 160 kev and 5.4 and 8.5 Mev. Both electrons and protons could be registered along the first two (45 and 160 Kev) channels. Along the other two (5.4 and 8.5 Mev) channels, the count was mainly of protons; at an electron path perpendicular to the crystal surface energy losses were about 2 Mev and oblique paths were precluded by the thickness of the shielding. Table 1 of the Enclosure gives the minimal particle energies registered by the counters. Orig. art. has 2 tables and 4 formulas.

ASSOCIATION: none

Card 3/5

IGNAT'YEV, S. (Penza)

Hand guard in cutting metal. Politekh.obuch. no.3:34 Mr '59.

(MIRA 12:4)

(Metal cutting--Safety measures)

IGNAT'YEV, S.

Against inertness and stagnation in industrial management.
NTO no.10:16-18 O '59. (MIRA 13:2)

1. Pervyy sekretar' Tatarskogo obkoma Kommunisticheskoy partii
Sovetskogo Soyuza.
(Industrial management)

IGNAT'YEV, S. (Penza)

Self-made instruments. Politokh.obuch. no.10:86 0 '59.
(MIRA 13:2)

(Metal-cutting tools)

FOROSTENKO, Ya., zasl. master sporta; ZHARKOVSKIY, I.; IGNAT'YEV, S.;
VASIL'YEV, A.A., red.; SORKIN, M.Z., tekhn. red.

[In a sport airplane] Na sprotivnom samolete. Moskva, Izd-vo
DOSAAF, 1962. 238 p. (MIRA 16:1)
(Aerial sports)

IGNAT'YEV, S.

PA 42/49T94

USSR/Radio Receivers
Public Address Systems

Apr 49

"The Radio Receiver-PA Unit 'UTS-48,'" S.
Ignat'yev, 3 pp

"Radio" No 4

Photographs, schematic diagrams, and operation of the UTS-48 receiver-PA system, a low-power receiver-PA system designed for kolkhozes, MTSs and small villages. System includes a PTS-47 receiver, a US-48 type two-tube amplifier (20-watt output), and a line protection panel.

42/49T94

IGNAT'YEV, S.

FA 51/49T94

USSR/Radio

Radio Receivers

Jun 49

"The 'DPKh' Crystal Receiver," S. Ignat'yev, 1 p

"Radio" No 6

The "DPKh" crystal receiver is manufactured by "Raypromkombinat" of Khimka. The "DPKh" (crystal receiver, Khimka) is a "Komsoslets"-type receiver having the following bands in meters: 1,300-2,000, 900-1,400, 450-900, and 250-500.

51/49T94

IGNAT'YEV, S.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000518410011-0

33121

O Pistoletnom Payal'nike (Korstruktsii V. E. Razarenko). Radio, 1949 No 10, c. 17

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1 949

IGNAT'YEV, S.

PA 153T98

USSR/Radio - Batteries, Radio
Radio Receivers

Nov 49

"The 1-V-0 Battery Receiver for Local Reception,"
S. Ignat'yev, 2 1/2 pp

"Radio" No 11

Receiver was designed by radio amateur I. A. Spirov
and won a prize in the Eighth All-Union Corr Radio
Exhibition. Circuit and construction are simple
and it is economical to operate. Includes two
wiring diagrams, and two photographs.

153T98

USSR/Miscellaneous - Radio amateurs

Card : 1/1 Pub. 89 - 5/24

Authors : Ignatyev, S.

Title : The radio amateurs of the city of Zaporozhye

Periodical : Radio 6, 9, June 1954

Abstract : The various activities of the Zaporozhye radio amateurs and their organizations are described; namely, the work of radio clubs, radio amateur training courses, the amateurs' participation in radio exhibitions, etc.

Institution : ...

Submitted : ...

IGNAT'YEV, S.

Here are the best. Kryl.rod. 12 no.10:16-18 0 '61. (MIRA 15:2)
(Kalinin--Aeronautics--Competitions)

IGNAT'YEV, S.

When work is above all. Kryn.rod. 13 no.1:18-19 Ja '62.
(MIRA 15:2)
(Vladimir---Helicopters--Piloting)

IGNAT'YEV, S.

Two hundred points out of two hundred. Kryl.rod. 13 no.2:9
F '62. (MIRA 15:1)

(Aeronautics---Competitions)

IGNAT'YEV, S.

"Again to the stars." Kryl.rod. 13 no.6:18-19 Jo '62.
(MIPA 19:1)

IGNAT'YEV, S.

Diligence. Kryl.rod. 13 no.7:3 JI '62.
(Aeronautics Competitions)

(MIRA 16:2)

IGNAT'YEV, S.

For the V.P. Chkalov Cup. Kryl.rod. 13 no.11:6-7 N '62.

(Aeronautics--Competitions) (MIRA 15:12)

IGNAT'YEV, S.; SHUMILOV, V., sud'ya vsesoyuznoy kategorii, zasluzhennyy trener
RSFSR

Above the wide Volga. Kryl. rod. 14 no.11:18-20 N '63.

(MIRA 16:11)

IGNAT'YEV, S.

Always fit for sports. Kryl. rod. 15 no.5:10 My '64.
(MIRA 17:8)

BALAKIN, N.; IGNAT'YEV, S.

Masters of the air business. Kryl. rod. 16 no.6:2-3 Je '65.
(MIRA 18:10)

ZHARKOVSKIY, I.; IGMAT'YEV, S.

High mastery. Kr. l. rod. 16 no. 10:2-5 0 '65.

(MIRA 18:12)

Ignat'yev, S. P.

IGNAT'EV, S. P.

Khotim letat'. Moskva, 1950.

Microfilm copy made in 1952 by the Library of Congress. Negative.

Collation of the original: 122 p., illus.

At head of title: Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia aviatsii.

Title tr.: We want to fly.

Microfilm T-11
(Slavic Room)

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

IGNAT'YEV, S. P.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 638 - I

BOOK

Call No.: AF457778

Author: IGNAT'YEV, S. P.

Full Title: THE POWER OF OUR WINGS

Transliterated Title: Sila nashikh kryl'yev

PUBLISHING DATA

Originating Agency: None

Publishing House: Publishing House of the All-Union Lenin's Young
Communists League "The Young Guard"

Date: 1951

No. pp.: 103

No. of copies: 50,000

Editorial Staff: None

PURPOSE: This booklet is intended for young readers and gives general
information on aviation.

TEXT DATA

Coverage: The first chapter gives the historical outline of the develop-
ment of the aviation in Russia. The second chapter is dedicated to
military aviation, the third to civilian aviation, and the fourth de-
scribes pre-military or pre-professional training in the DOSAAF (All-
Union Voluntary Organization for the Promotion of the Army, Air
Force and Navy).

No. of References: None

Facilities: None

IGMAT'YEV, S. [P.]

Soviet pilot. Kryl. red. 3 no.1:5-7 Ja '52. (MLRA 8:8)
(Aeronautics) (World War, 1939-1945--Aerial operations)

ISSN: 167, 5. [P]

Subject : USSR/Aeronautics

AID P-261

Card : 1/3

Periodical : Kryl. Rod., 5, 1 - 24, My 1954

Abstract : Articles in this issue are very popular, and are not of special interest. They are listed on the following Table of Contents:

	PAGES
1. Exemplary Conduct of Competition in Sport Aviation	1-2
2. Antonov, B., On Uncharted Land (Photos)	3
3. Should the Central Aeroclub be Like That? (Letters to the editor suggesting changes in the Central Aeroclub)	4-5
4. Bogatyrev, A., Results of Correspondence Competitions of DOSAAF Aeroclubs (Photos)	5
5. Reynov, Ya., Guarantee Successes in Sport	6
6. Smirnov, B., Discipline in Flight (Photos)	7-8
7. What Hinders the Development of Mass Parachutism (Letter to the editor)	9
8. Ignat'yev, S., Make Better Use of Parachute Jumping Towers	10

Kryl. Rod., 5, 1-24, My 1954 (additional card)

AID P-261

Card : 2/3

	PAGES
9. Fedorovskiy, M., From an Altitude of 7421 m. (a report on recent high-altitude parachute jumping, photo)	11
10. Gladkov, N., Organization and Umpiring of Competitions in Parachutism	12-13
11. In the Aviation Sport Commission (Notes on achievements in parachutism)	13
12. Telepnev, V., Friends and Partners (A story of 3 young boys, photos)	14-15
13. Skobel'tsyn, V., A Micro-capacity, Four stroke Engine (a short description and photo of an engine for model aircraft)	15
14. Bashkin, S., Receiver of Radio Controlled Models (4 diagrams)	16-17
15. Kitaygorodskiy, A., Doctor of Physical and Mathematical Science, Professor, Atomic Energy	18-20
16. Ivanskiy, A., With Our Polish Friends, (A short report on glider, parachute and model maker activities in Poland)	21-22
17. Grinberg, Z., Physician Brought by Aircraft (an example of cooperation of	

IGNAT'YEV, S. [P.]

AID P - 2298

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 3/24

Author : Ignat'yev, S.

Title : Trainer of Aviation Sportsmen (an essay)

Periodical: Kryl. rod., 6, 7-8, Je 1955

Abstract : Biographical notes on the life of Murashev, V. G., a prominent flying instructor. Photo.

Institution: Regional Aeroclub of Gomel', DOSAAF

Submitted : No date

IGNATIEW, S.

Airplane sports in the USSR. p. 6.

cf. Pilots of the All-Union Volunteer Society for the Promotion of the Army, Air Force, and Navy on the sport jet airplane. p. 6. (SKRZYDLATA POLSKA, Warszawa, Vol. 11, No. 7, Feb. 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

Subject : USSR/Aeronautics - Training (DOSAAF) AID P - 4676
Card 1/1 Pub. 58 - 2/14
Author : Ignat'yev, S. and S. Razorenov
Title : The quality of the training in flying must be improved
Periodical : Kryl. rod., 4, 3-4, Ap 1956
Abstract : The article deals with the methods of training of pilots in the Aeroclubs of the DOSAAF. Individual approach to the trainees is advocated and the importance of theoretical instruction and ground training is stressed. Some recommendations are made as to the conduct of flying exercises. Stricter approach in the appreciation of the qualifications of the instructors is requested. No factual data of interest.
Institution : None
Submitted : No date

IONAT'YEV, S.

Ural hardening. Kryl.rod. 8 no.6:7-9 Jo '57.
(Sverdlovsk--Aeronautical societies)

(MARA 10:8)

IGNAT'YEV, S.

85-9-19/33

AUTHORS: Razorenov S., Ignat'yev S.

TITLE: In What an Insufficient Exactingness May Result (K chemu privodit nizkaya trebovatel'nost')

PERIODICAL: Kryl'ya Rodiny 1957, Nr 9, pp. 20-21 (USSR)

ABSTRACT: The authors offer an analysis of the causes of some deficiencies in the work of the aeroclubs of the Belorussian SSR. The various minor shortcomings the authors deal with are blamed on the not-rigorous-enough training of DOSAAF instructors, on the want of method in the work with young pilots and the general lack of interest in the problems of methodology, on the fact that the leading members of the clubs omit often to check upon the way the instruction is given, and on the inadequate organization of flight exercises, leading to flight accidents. -The most criticized are the aeroclubs Vitebskiy, Gomel'skiy and Mogilevskiy. The article offers no information of scientific interest.

AVAILABLE: Library of Congress

Card 1/1

IGNAT'YEV, S.

The Eighth All-Union Competition. Kryn.rod. 11 no.11:6-8 N '60.
(Tushino--Airplane racing) (MIRA 13:10)

IGNAT'YEV, S.; KOBYZEV, N.

Eyewash specialists in the Tashkent Aeronautics Club. Kryl.rod.
12 no.5:28 My '61. (MIRA 14:7)

(Tashkent—Aeronautics)

Romanovskii, P. I.; and Ignat'ev, U. V. On a generalization of the idea of differential of higher order. Moskov. Oblast. Pedagog. Inst. Uč. Zap. Trudov Katedr Mat, 21 (1954), 35-48. (Russian)

The authors first discuss inclusion relations between the classes of functions having right-hand n th order derivatives at a point x_0 , of functions having limits of n th order right-hand difference quotients at x_0 , and of functions admitting n th degree polynomial approximation at x_0 .

Generalizing the last of the foregoing classes, relative to any system of functions $\varphi_i(h)$, $i=1, \dots, n$, such that $\varphi_i(h) > 0$ for $h > 0$ and such that $\varphi_{i+1}(h) = o(\varphi_i(h))$ as $h \rightarrow +0$, they consider the class of functions $F(x)$ admitting representations of the form

$$F(x_0+h) - F(x_0) = a_1 h + a_2 h^2 + \dots + a_n h^n + o(h^n)$$

1/2

ROMANOVSKII, P. I.

where the square is not a square

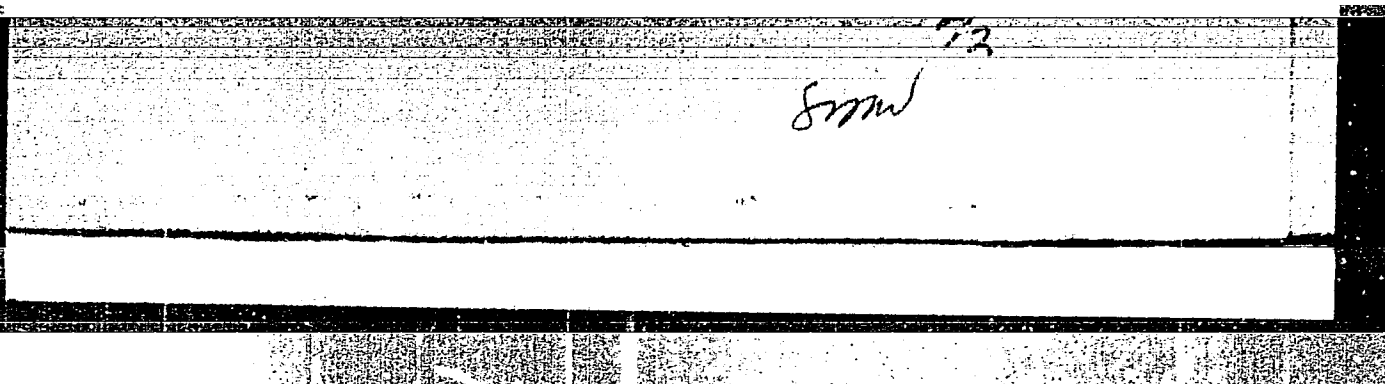
and the square is not a square

In a further operation

the square is not a square

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000518410011-0



APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000518410011-0"

IGNAT'YEV, V.

Graphic method in geography lessons. Geog.v shkole 23 no.1:
53-62 Ja-P '60. (MIRA 13:5)
(Geography--Graphic methods)

VAVILOV, I.; IGNAT'YEV, V.; CHUMAKOV, A.; USHAKOV, A.

Useful undertaking. Zashch. rast. ot vred. i bol. 5 no. 8:60
Ag '60.

(MIRA 13:12)

(Plant quarantine)

IGNAT'YEV, V., prof.

The party is our helmsman. Sov.shakht. 10 no.10:14-15 0 '61.

(MIRA 14:12)

(Communist Party of the Soviet Union--Congresses)

(Russia--Economic policy)

BRODSKIY, A., kand.tekhn.nauk; IGNAT'YEV, V., inzh.

Effect of zinc coating on the quality of joints made by arc
welding. Zhil. stroi. no.10:22-24 '62. (MIRA 16:1)
(Steel--Welding) (Protective coatings) (Building--Details)

SILAYEV, A.F., kand.tekhn.nauk; IGNAT'YEV, N.A., inzh.; Prinimali
uchastiye: ZAYTSEV, Yu.N.; SHEVLYAKOV, G.I.; IGNAT'YEV, V.A.;
NOVICHKOV, P.V.

Advantage of heat treating welded heavy press frames. Svar.
proizv. no.8:40-43 Ag '61. (MIRA 14:8)

(Power presses---Welding)
(Metals---Heat treatment)

IGNAT'YEV, V.; TARTAKOVSKIY, A.

Team work is the main force. Av.transp. 40 no.7:8-10 J1 '62.
(MIRA 15:8)

1. Glavnyy insh. tresta passazhirskikh perevozok Krasnodarskogo
avtoupavleniya (for Ignat'yev). 2. Nachal'nik Novorossiyskogo
passazhirskogo avtokhonyaystva (for Tartakovskiy).
(Transportation, Automotive)

IGNAT'YEV, V.A.; IGNAT'YEV, N.I.; SHOR, A.Ya.; SIDOROVA, L.A.,
red.

[Problems in arithmetic; textbook for elementary school
teachers] Sbornik zadach po arifmetike; posobie dlia
uchitelei nachal'noi shkoly. Izd.4., ispr. Moskva, Pro-
sveshchenie, 1965. 277 p. (MIRA 18:7)

IGRAT'EV, V. A.

Outside work in arithmetic in the elementary school; a textbook for teachers. Moskva,
Gos. ucheb.-pedagog. izd-vo 1949. 114 p. (50-22939)
QA139.I 45

1. Arithmetic - Problems, exercises, etc.

Sbornik zadach po arifmetike dlia ustnykh uprazhnenii. Posobie dlia uchitolei nach. shkoly. [Collection of arithmetic problems for oral drills; manual for elementary school teachers]. Moskva, Uchpedgiz, 1952. 167 p.

SO: Monthly List of Russian Accessions; Vol 7, No 4, July 1954.

...XEV, ...

Shornik: zadach i uprazhnenii dlia ustnykh zaniatii po matematike. Pособie dlia uchitelei
[Collection of problems and exercises for oral work in mathematics; teachers' manual].
Izd. 2-e, dop. Moskva, Uchpedgiz, 1952. 240 p.

SO: Monthly List of Russian Accessions, Vol 7, No 4, July 1954.

IGNAT'YEV, V.A.; PCHELKO, A.S., redaktor

[Work on arithmetic methodology outside of class at pedagogical
institutes] Vneklassnaia rabota po metodike arifmetiki v pedago-
gicheskikh uchilishchakh. Pod red. A.S.Pchelko. Moskva, Izd-vo
Akademii pedagog. nauk RSFSR, 1954. 53 p. (MIRA 8:1)
(Teachers, Training of)
(Arithmetic--Study and teaching)

IGNAT'YEV, V.A.; IGNAT'YEV, N.I.; SHOR, Ya.A.; BORISOV, A.A., redaktor;
RIBIN, I.V., tekhnicheskiiy redaktor

[Collection of arithmetic problems; a textbook for pedagogical schools] Sbornik zadach po arifmetike; posobie dlia pedagogicheskikh uchilishch. 2-e izd. Moskva, Gos. uchebno-pidagog. izd-vo Ministerstva prosveshchenia RSFSR, 1954. 375 p. (MLRA 8:7)
(Arithmetic--Problems, exercise, etc.)